DIAMANTE®

FACTS-AT-A-GLANCE

PHYSICAL CHARACTERISTICS	
Exterior	Constructed of a durable, impact-resistant body with glossy diamond finish available in choice of colors: Blue My Mind, Totally Red-ical, Black to Basics and Lunar White.
Size and Weight	• Height when display is folded: 3.5 in (8.0 cm) • Height when display is open at 90°: 8 in (20.3 cm) • Width: 9.75 in. (24.8 cm) • Depth: 10.3 in (26.2 cm) • Weight (writer only): 4.5 lbs (2 kg) • Tripod weight: 1.75 lbs (0.8 kg)
Display Screen	• Color Active TFT LCD • Diagonal Screen Size: 7 in (17.8 cm) • Resolution: 800 x 480 (WVGA – "Wide VGA") • Tilt range 0 to 65 degrees • Font size: User Selectable-5 choices • Folds facedown to protect screen while not in use.
Depth and Tension Wheels	**Depth:** Roll the left thumbwheel to forward to raise or backward to lower the entire keyboard, including the number bar for stoke depth. **Tension:** Roll the right thumbwheel forward to reduce or backward to increase keyboard tension to suit your personal preference.
Function Buttons	Six conveniently located color-coordinated soft function buttons provide interaction with writer settings and operations. No complicated commands to remember sinc Function buttons guide you on your way.
Comfort Grip	Recessed handgrips around the underside make it easy grab and go down the hall or to a sidebar. There is ample to get a good grip while inserting or retrieving the writer from the tote.
INPUT AND OUTPUT PORTS	
USB A Port	**The USB-A** (Host USB) is the flat rectangular port for use with clients (peripherals) such as: • A "thumb drive" to create an extra copy of jobs in the writer • A USB Bluetooth adapter for wireless realtime.
USB B Port	• **The USB-B** (Client USB) is a smaller, square socket in which the writer plugs into a Host USB port on the computer. • Realtime translation for USB realtime with Case CATalyst and other brands compatible with Stenograph's USB realtime protocol. • Download dictionaries from a Case CATalyst computer. Personal and Job dictionaries go instantaneously to the writer via the USB cable. Having a fresh copy of dictionaries in the writer means translation will be more accurate and readbacks easier too. • Download software updates from a computer after getting them online from Stenograph. Regardless of the brand of CAT software used, writer updates are downloaded in this manner. • Access a power source from a computer when other power sources, such as a battery or a charger are not available. *Note: Other brands of dictionaries are transferred via an SD card. Dictionaries from other brands of software from RTF are loaded as one dictionary; job dictionaries are not supported by the RTF standard.*

Audio Characteristics	
Headphone Jack	An industry-standard 3.5 mm mono headphone jack provides broad compatibility with a variety of headsets like ones used with portable music players. The headphone jack is a surface-mounted female socket (green) on the rear of the writer. Headphones are sold separately.
Microphone Jack	A 3.5 mm mono microphone jack is provided for digitally recording audio via an external microphone. The microphone plugs into the surface- mounted female socket (think red for 'record') to create an audio backup of the proceedings. It can be a valuable resource when editing difficult testimony to double-check accuracy. Microphones are sold separately.
AudioSync OTG	• The popular and portable .WAV file format provides quality audio recording and playback right in the writer for review during the job or later while editing in Case CATalyst or other compatible programs. [Most CAT software brands can read and synchronize the audio file; but none with the precision of Case CATalyst.] • The audio file is synchronized to the written testimony for instant click and play capability helpful in reviewing before reading back testimony from the built-in display. • Compression Rate: A selectable compression rate enables a choice of conserving space or achieving higher fidelity when playing back. GSM (5.8 MB/hour) or ADPCM (14.7 MB/hour).
AudioSync OTG	• Adjustable Headphone Volume via function buttons helps you adjust to quieter or noisier environments. • Gain – High or Low gain (Low is for a battery-powered mic.) • Monitor live audio while recording allows the user to listen to the recording through an attached headset. • Auto Pause Audio is for specified period in minutes and seconds. When no new steno is written for the specified time, recording is paused to conserve SD card space. • When using a Case CATalyst dictionary in the writer, you can pause and resume audio by writing keystrokes defined for pause and resume giving you complete control right from the steno keyboard.
Dictionaries	
Case CATalyst	Case CATalyst dictionaries are quickly and easily downloaded to the writer via a USB cable
RTF/CRE for non-CATalyst users	• Dictionaries for other brands of CAT software are also loaded via a USB cable once converted to RTF-CRE. • The RTF-CRE supports a personal and up to seven job dictionaries. • Use the Stenograph RTF/CRE Dictionary Conversion Utility (provided on the Writing Machine Utilities CD) to create a Diamante-compatible dictionary.
Power Characteristics	
Primary Battery	• One user-replaceable 4-cell lithium-ion battery • Operating time: 8 to 10 hours (Less if using WiFi/Bluetooth) • Full-charge time: About 4 to 5 hours • Recommend charging every night • Battery Life: 1 to 1.5 years
Backup Battery "Failsafe Mode"	When primary battery and/or AC Power are not available, the backup lithium ion battery will operate writer for an additional 7 to 8 hours. These non-essential functions may become disabled while operating from the backup battery: • Large monitor • Bluetooth realtime These essential functions do operate from the backup battery: • Small LCD • Data SD card • Backup SD card • Audio Record/Playback • USB Realtime

A third battery for retaining personal settings	The included A/C Power Adapter Charger will operate the writer with full capabilities and recharge the internal battery and the removable battery pack. • Automatic switching 120/220 Volt • Cord length: 6 feet (1.8 meters)
International Plug Adapters	Interchangeable adapter plugs are available for Europe, UK, and Australia/New Zealand.
USB Power	When no battery power is available for the writer, power can come from a computer via a USB cable. (It can be any computer, it does not have to be a CAT computer; and it does not have to be using realtime. All features will be functional, including the large display, small display, both SD cards; AudioSync and the USB-A (USB-Host) adapter for a Bluetooth™ Dongle and/or a thumb drive. Obviously, you cannot use Bluetooth because the port is occupied by the USB cable.
REALTIME COMMUNICATION	
Bluetooth Wireless (Sold separately)	• This low-energy, short-range wireless technology enables realtime between the writer and computer in a confined space of 300 feet (91.44 meters) or less; and does not have to be line-of-sight. • Bluetooth is compatible with Case CATalyst software and all other brands of software that use a Stenograph-compatible serial protocol for realtime. Virtually all US-based CAT software uses this protocol. • The kit includes an approved USB Class 1 Micro Bluetooth Dongle by Cirago. This tested and verified dongle provided best results and least electronic interference of any dongle tested. It is combined with a BlueSoleil® USB dongle for the CAT computer, along with the BlueSoleil software driver
WiFi Wireless Realtime	A factory-installed WiFi optionally is available at time of purchase. The WiFi is used for realtime communications with Case CATalyst and for dynamic dictionary updating with Case CATalyst. (WiFi can be retrofitted at the factory for writers originally built without it.
USB Realtime	USB realtime is compatible with Case CATalyst software and other brands of CAT software that use a Stenograph-compatible USB realtime protocol; which is the same as the élan Mira/Stentura Fusion USB realtime protocol.
Serial Realtime	Serial realtime is provided via the Bluetooth Wireless Kit. There is no 9-pin serial port on to the writer. Non-CATalyst CAT software that supports serial realtime should be able to use the Bluetooth Wireless Kit.
MEMORY USAGE AND CAPACITY	
Triple-Protection Hierarchy	• User files are written in this order: • Backup SD card • Data SD card • Memory
Data SD Card	**Data SD card: 1GB to 32GB SD cards are supported** **The Data SD card saves these file types:** • Steno with Timestamps • Audio at selected compression rate • Reopen and Append *Note: Reopen and Append with Audio is available only on the same day the job is written.* **Audio Storage Capacities:** 1GB card = 170 hrs audio at GMS compression/6000 pgs 1GB card = 70 hrs at APCM compression 1GB card no audio = 600,000 pages **Low Capacity Operation** • When only 75MB of space remains on the Data SD card, audio will not be recorded to conserve space. A warning will be shown. The Backup SD card continues to record data and audio, albeit at the GMS compression rate. • When only 12MB of space is available on the Data SD card at power on, a visual warning indicates that audio will not be recorded to the Data SD card as above. • When the Data SD card becomes full, it issues an audible and visual warning and stops writing to the Data SD card as above.

Data SD Card Cont.	**File Structure** • Date & Time Folder only • Case CATalyst compatible • No “Classic” file structure, i.e., Stentura file **A Utility converts Date & Time structure** to “Classic” file structure so other brands of CAT software that don’t use the Date and Time Folder format can read the notes, timestamps, and audio files. This utility is on the Stenograph Writing Machine Utilities CD provided with the writer. **Date and Time Folder names** consist of the four-digit year and two-digit month, such as 200906 for June 2009; 200907 for July 2009. Grouping jobs by month saves time finding a needed job without scrolling through pages and pages of file names. It’s also ready back up to your computer or file server in a convenient format. **File names within the Date and Time Folder** are displayed by their name only, with no extensions or sub-files, to make the list easier to visualize and manage. When the job is copied, it copies all needed sub-files. **Copying jobs from the Data SD card** to a USB Thumb drive will retain the Date & Time Folder format. From there, they can be converted to Classic file structure if necessary.
Backup SD Card	**Backup SD Card must be formatted in the writer!** • 1GB to 32GB SD cards supported • A 4GB SD card is provided in the Backup SD Card slot. • The Backup SD card must be present to operate writer **Backup SD card stores:** • Steno with timestamps • Audio files • The audio compression rate on the Backup SD card is GSM (5.8MB/Hour) regardless of what compression rate is selected in Audio Options for the Data SD Card. • A backup file (.bak) is created for every 1GB of files. Therefore, a 4GB SD card will have four backup files on it. The backup files will use the entire available space on the backup card. Once it nears capacity, it overwrites oldest file and never becomes full. • A Utility is on the Stenograph Writing Machine Utilities CD is provided for retrieving files from the Backup SD card.
Memory	• Internal Memory stores steno notes with timestamps • Capacity of 64MB or approximately 36,000 pages • Internal memory never becomes full. It overwrites oldest files when reaching capacity. Since it holds about 36,000 pages, there is plenty of time to realize you have lost your SD cards and need to retrieve from Memory before it is over-written • Memory files can individually or collectively be copied to the Data SD card or to the Thumb drive.
EasyLock® Z12 Tripod	
Perfect Positioning	The three-legged stand is lightweight and well designed for placing the writer in perfect position for your comfort.
Compact Size	It folds to 12 inches, fitting perfectly into the accompanying tote bag.
Light Weight	A full half-pound lighter than earlier tripods since the aluminum legs are much lighter than steel, even though a higher gauge is used to assure stability.
Quick Mount / Release	Using the proven EasyLock® mounting system provides a quick and secure connection for set up and put away.
Revolutionary tilt mechanism	The tilt mechanism, recessed in the writer rather than on the tripod, results in a folded tripod of 12 inches. With the center of balance in the middle of the writer, the tripod stands straight allowing the user to pull the writer as close to their body as desired.

Height Adjustment	The manual lift center steel column makes those final tripod height adjustments smooth and easy. Simply turn the center column lock-knob and lift the writer to the desired height, tighten and begin writing. Extended height: 27 inches.
Rubber Feet	Rubber bumper feet minimize vibration and enhance stability even when you write at sprinting speeds.
Dimensions	**Weight:** 1 ¼ pounds **Height:** 12 inches when folded and 27 inches when extended.
TOTE BAG	
Designed for style and function	This slender tapered tote bag is top loading with just enough pockets for the writer and other essentials plus an exterior pocket for documents or personal items.
Smaller, lighter	Weighs only 2 pounds Dimensions 17 1/8 wide x 12 ½ tall x 5 ¼ deep
Handles / Straps	• Two crossover wrapped handles provide a comfortable grip and a balanced load. • An adjustable-length padded shoulder strap has detachable D-ring brushed nickel hardware.
Exterior	• A durable nylon exterior in a dark pewter color with brushed nickel hardware provides durability. • Durable zippers slide halfway down the bag allowing you ample room to reach inside. • The structured bottom prevents sag and helps it remain upright as you reach in for the contents. • Luggage feet help keep your tote up off the ground to help avoid dirt and moisture.
Interior	• The top-zippered section has a compartment with two special slots to protect the writer and tripod. A microfiber lining in the writer compartment provides protection from scratching the exterior surface of the writer. • Another compartment holds loose items such as the power adapter, cables, small power strip, etc. It keeps things separate and easily accessible. • Another top-zippered section is perfect for keeping exhibits or other documents separate and clean.
Closure	Zippers close completely to protect the contents from the elements.
IN THE BOX	
What's In the Box	• Writer with choice of extended keys • One removable re-chargeable 4-cell battery pack • USB cable • 1 Data HDSD Card installed (4GB) • 1 Backup HDSD card installed (4GB) • Global Charger with North American plug • EasyLock® Z12 Tripod • Diamante User Guide • Stenograph Writing Machine Utilities CD • Tote Bag • Stenograph One-Year Commercial Warranty document • USB SD Card Holder for computer • Optical-quality cleaning cloth • Optical-quality spray cleaner